

**Amendments to the Specification**

Please replace the paragraph at page 4, lines 10-24 with the following amended paragraph:

With reference to Fig. 2, a catheter 36 having an elongated catheter shaft is inserted through working channel 34 of endoscope 20. Catheter 36 has optical fibers 38 and 40, which extend through the catheter shaft and are connected to a spectroscopic diagnosis system 42 located at the proximal end of endoscope 20. Optical fibers 38 and 40 can be made of a quartz glass component or other suitable glass or polymer material capable of transmitting and receiving wavelengths necessary to distinguish between healthy and abnormal tissue that has been treated by a diagnostic reagent. The optical fibers may be bundled together as a single light transmission and reception probe rather than the two discrete fibers shown in ~~Figs. 1-5~~Figs. 2-3, the probe including an outer sheath made of SST or a suitable semi-rigid polymer that is non-reactive to diagnostic reagents. Catheter 36 is connected to a catheter control mechanism 39 located at the proximal end of endoscope 20 that controls the longitudinal movement of catheter 36 within working channel 34. Catheter control mechanism 39 also controls the longitudinal movement of optical fibers 38, 40 and may extend or retract optical fibers 38,40 with respect to catheter 36. In Fig. 2, light source 24 is turned on and optical fibers 38, 40 are extended from catheter 36 to the tissue.

Please replace the paragraph at page 8, lines 17-20 with the following amended paragraph:

The endoscope of Fig. 11 also may be used in combination with any of the different endoscopically insertable catheters combining optical fibers and interventional devices described above and shown in ~~Figs. 6-10~~ Figs. 6-10, which may be substituted for interventional catheter 216.